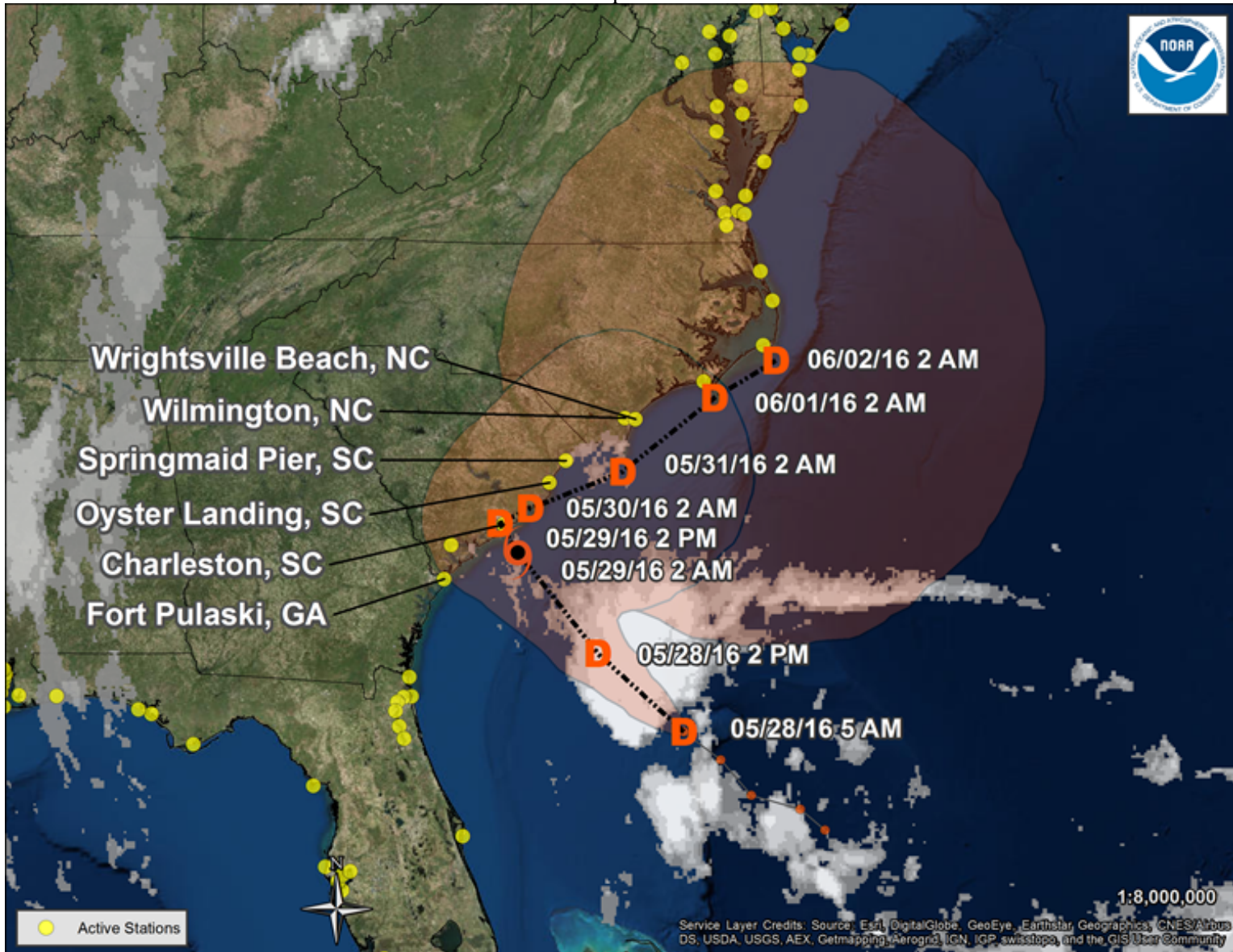




# Tropical Depression TWO QuickLook Posted: 06:00 EDT 05/28/2016

## NOAA and NOAA Partnership Stations Relative to the Storm



## Storm Analysis

As of 05/28/2016 06:00 EDT, water levels from Northern Georgia to Wilmington, NC are at or near normal and range between 0.50 to 1.0 ft above normal tide levels. Winds are currently steady, with gusts of only 10-15 knots. Barometric pressure continues to fall gradually across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst:ADM

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL DEPRESSION TWO ADVISORY NUMBER 3  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
500 AM EDT SAT MAY 28 2016

...DEPRESSION RIGHT ON TRACK BUT HAS NOT STRENGTHENED...

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...  
\* Savannah River to Little River Inlet South Carolina

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area, in this case within 24 hours.

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

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At 500 AM EDT, the center of Tropical Depression Two was estimated ABOUT 265 MI...430 KM SE OF CHARLESTON SOUTH CAROLINA ABOUT 280 MI and 455 KM SSE OF CAPE FEAR NORTH CAROLINA. The depression is moving toward the northwest near 14 mph. A decrease in forward speed is expected today and Sunday as the system nears the coast within the warning area.

Maximum sustained winds remain near 35 mph with higher gusts. Some slight strengthening is possible, and the depression could become a tropical storm before it reaches the coast.

The estimated minimum central pressure is 1009 mb. An Air Force Hurricane Hunter plane will investigate the depression this morning.

HAZARDS AFFECTING LAND

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WIND: Tropical storm conditions are expected to first reach the coast within the warning area later tonight or early Sunday.

RAINFALL: The depression is expected to produce total rainfall accumulations of 1 to 3 inches from eastern South Carolina through southeastern North Carolina.

STORM SURGE: Storm surge inundation of 1 to 2 feet above ground level is possible within the tropical storm warning area.

SURF: This system is expected to produce life-threatening surf and rip current conditions along portions of the southeastern United States coast through the weekend. Please consult products from your local weather office.

#### NEXT ADVISORY

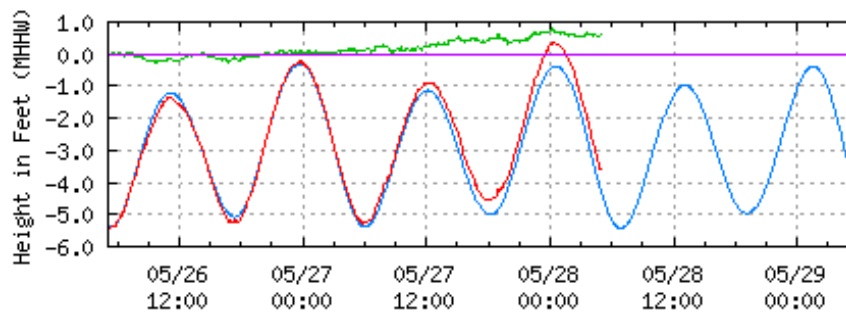
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Next intermediate advisory at 800 AM EDT.  
Next complete advisory at 1100 AM EDT.

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Forecaster Avila

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Winds](#), [Wrightsville Beach - Barometric](#), [Wilmington - Water Level](#), [Wilmington - Barometric](#)

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/28/2016 04:54 (EDT). Data relative to MHHW

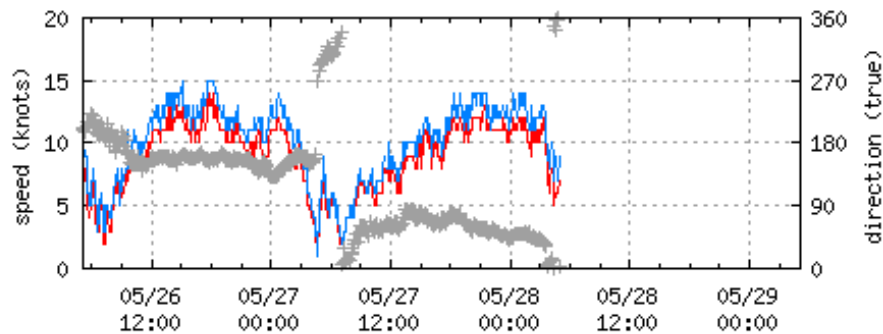
Observed: -3.61 ft. Predicted: -4.25 ft. Residual: 0.64 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 05/28/2016 13:04 (EDT), -0.96 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC

Wind Speed / Gusts / Direction

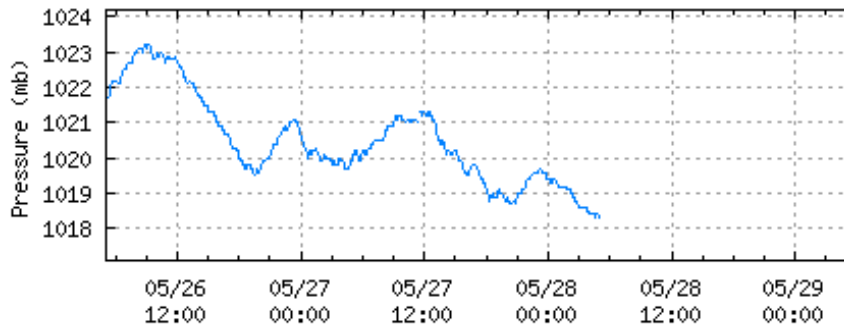


speed — gusts — direction +

Last Observed Sample: 05/28/2016 04:54 (EDT)

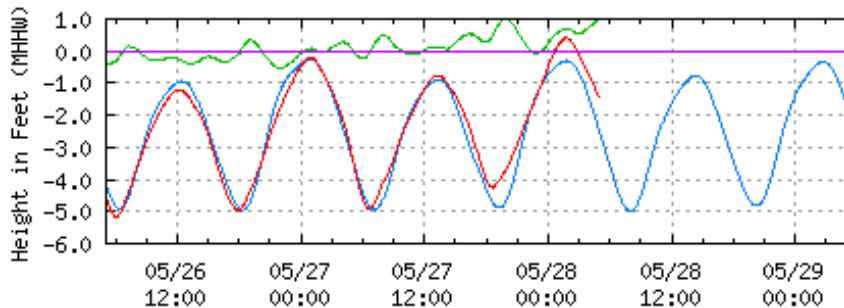
Wind Speed: 7 knots Gusts: 9 knots Direction: 2° T

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/28/2016 04:54 (EDT)  
Barometric Pressure: 1018.3 mb

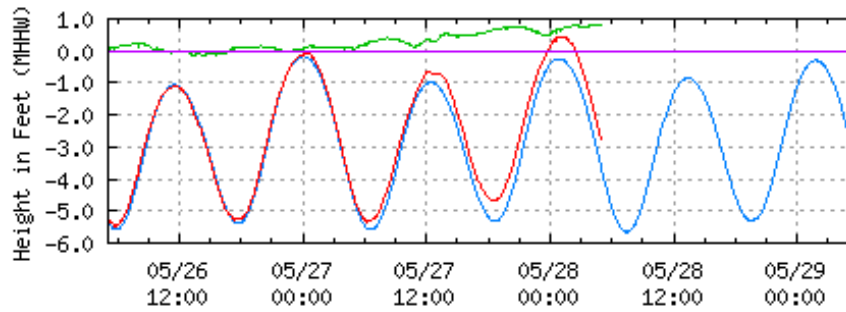
NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/28/2016 04:54 (EDT). Data relative to MHHW  
Observed: -1.44 ft. Predicted: -2.44 ft. Residual: 1.00 ft.  
Historical Maximum Water Level: Aug 26 2011, 2.40 ft.  
Next High Tide: 05/28/2016 14:19 (EDT), -0.77 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

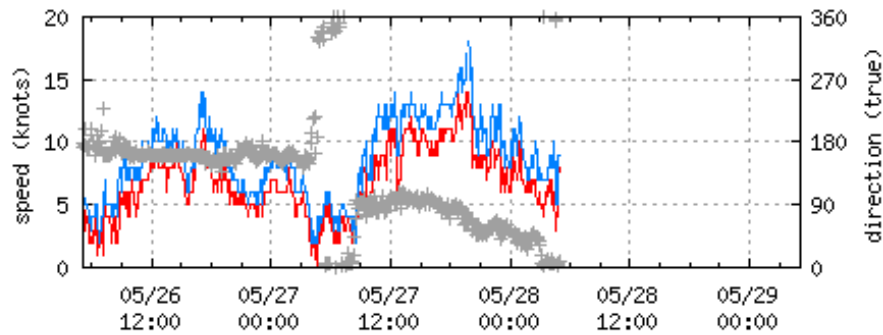
Last Observed Sample: 05/28/2016 04:54 (EDT). Data relative to MHHW

Observed: -2.78 ft. Predicted: -3.60 ft. Residual: 0.82 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 05/28/2016 13:22 (EDT), -0.85 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Wind Speed / Gusts / Direction

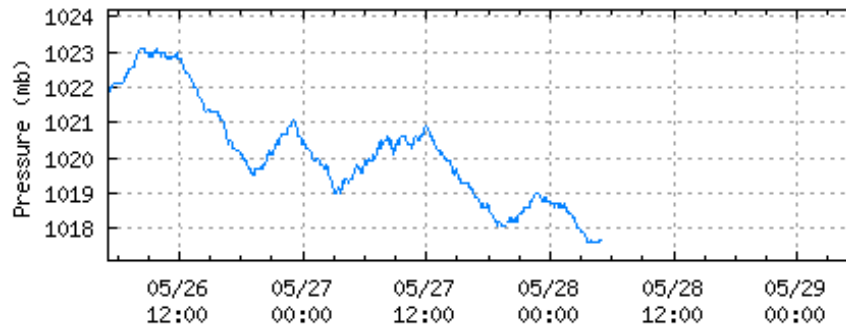


speed — gusts — direction +

Last Observed Sample: 05/28/2016 04:54 (EDT)

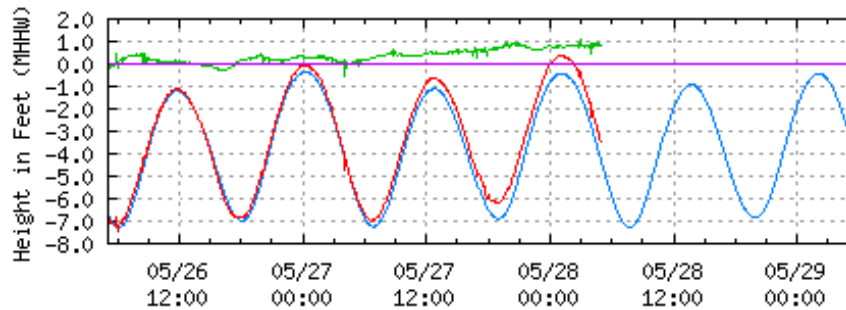
Wind Speed: 8 knots Gusts: 9 knots Direction: 9° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/28/2016 04:54 (EDT)  
Barometric Pressure: 1017.7 mb

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

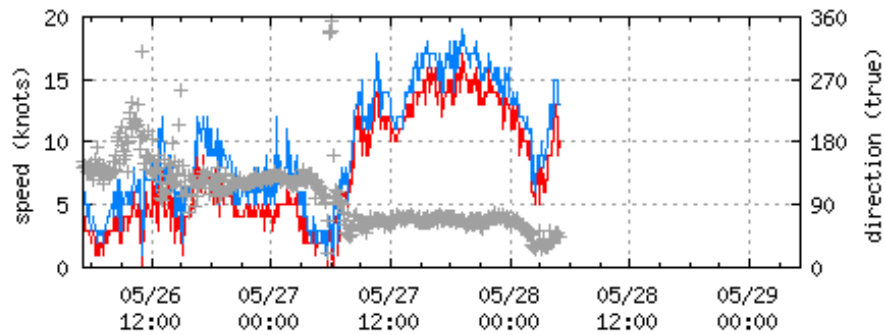


Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 05/28/2016 04:54 (EDT). Data relative to MHHW  
**Observed: -3.46 ft. Predicted: -4.26 ft. Residual: 0.80 ft.**  
Historical Maximum Water Level: Oct 15 1947, 3.40 ft.  
Next High Tide: 05/28/2016 13:42 (EDT), -0.92 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Wind Speed / Gusts / Direction



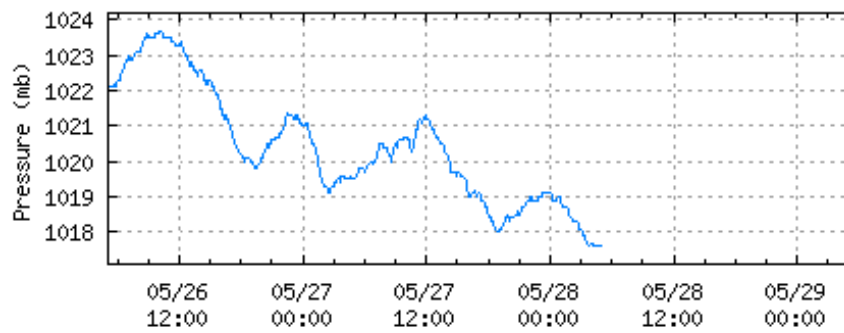
speed — gusts — direction +

Last Observed Sample: 05/28/2016 04:54 (EDT)

Wind Speed: 10 knots Gusts: 13 knots Direction: 44° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA

Barometric Pressure



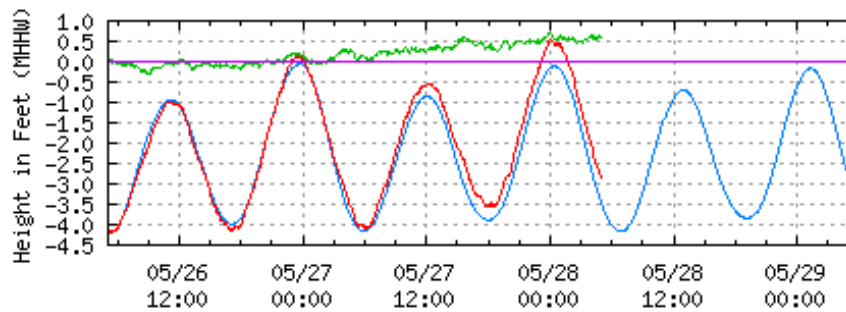
barometric pressure —

Last Observed Sample: 05/28/2016 04:54 (EDT)

Barometric Pressure: 1017.6 mb



NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

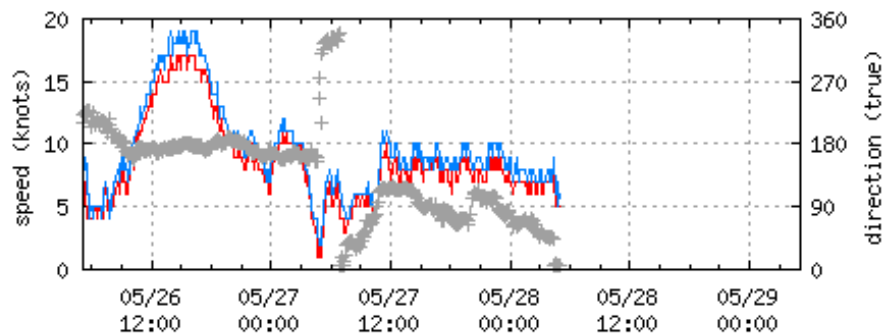
Last Observed Sample: 05/28/2016 04:54 (EDT). Data relative to MHHW

Observed: -2.83 ft. Predicted: -3.44 ft. Residual: 0.61 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

Next High Tide: 05/28/2016 12:54 (EDT), -0.70 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Wind Speed / Gusts / Direction

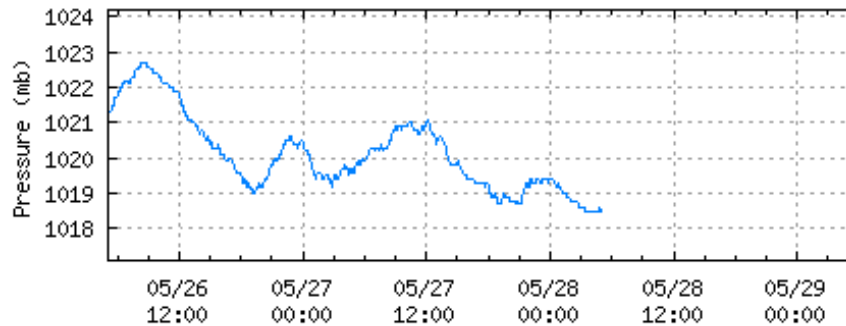


speed — gusts — direction +

Last Observed Sample: 05/28/2016 04:54 (EDT)

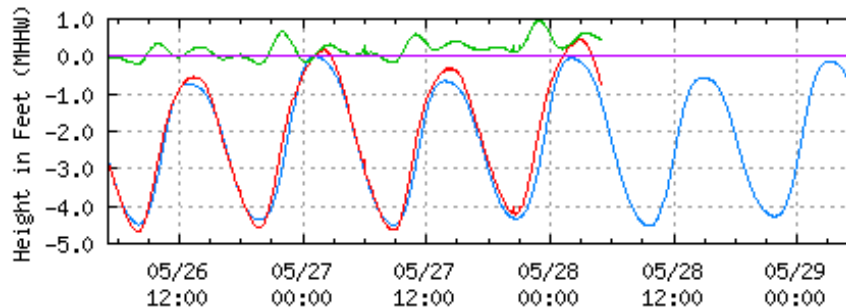
Wind Speed: 5 knots Gusts: 6 knots Direction: 7° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/28/2016 04:54 (EDT)  
Barometric Pressure: 1018.5 mb

NOAA/NOS/CO-OPS 8658120 Wilmington, NC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

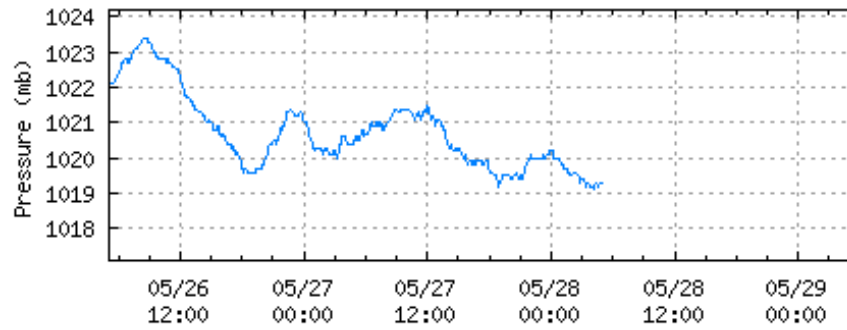
Last Observed Sample: 05/28/2016 04:54 (EDT). Data relative to MHHW

Observed: -0.73 ft. Predicted: -1.18 ft. Residual: 0.45 ft.

Historical Maximum Water Level: Oct 15 1954, 3.47 ft.

Next High Tide: 05/28/2016 14:53 (EDT), -0.57 ft.

NOAA/NOS/CO-OPS 8658120 Wilmington, NC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 05/28/2016 04:54 (EDT)  
Barometric Pressure: 1019.3 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8661070	Springmaid Pier, SC	05/28/2016 04:54 (EDT)	-3.61 ft	-4.25 ft	0.64 ft	0.38 ft
8662245	Oyster Landing (N Inlet Estuary), SC	05/28/2016 04:54 (EDT)	-1.44 ft	-2.44 ft	1.00 ft	0.40 ft
8665530	Charleston, SC	05/28/2016 04:54 (EDT)	-2.78 ft	-3.60 ft	0.82 ft	0.43 ft
8670870	Fort Pulaski, GA	05/28/2016 04:54 (EDT)	-3.46 ft	-4.26 ft	0.80 ft	0.36 ft
8658163	Wrightsville Beach, NC	05/28/2016 04:54 (EDT)	-2.83 ft	-3.44 ft	0.61 ft	0.55 ft
8658120	Wilmington, NC	05/28/2016 04:54 (EDT)	-0.73 ft	-1.18 ft	0.45 ft	0.44 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce